

IN THE ABSTRACT:

Replace the abstract in its entirety with the following paragraph.

A method of regulating or controlling a cyclically operating internal combustion engine using a computation model by which the cycle or portions of the cycle of the internal combustion engine is, or are, divided into individual parts and the operating condition within each cycle part is determined using measured values, stored and/or applied data in order to obtain actuating variables for operating the internal combustion engine.

~~The computation models for the various individual cycle parts are based on at least partially different assumptions and/or have different simplifications.~~ The time limits of the cycle parts are at least partially calculated as a function of at least one variable engine operating parameter. The operating status of an internal combustion engine can thus be determined readily and quickly while still with sufficient accuracy so as to obtain actuating variables suited for regulating or controlling the internal combustion engine using electronic control units available for series operation.